

# Seismic Hazard Mapping Bulletin

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BULLETIN #11

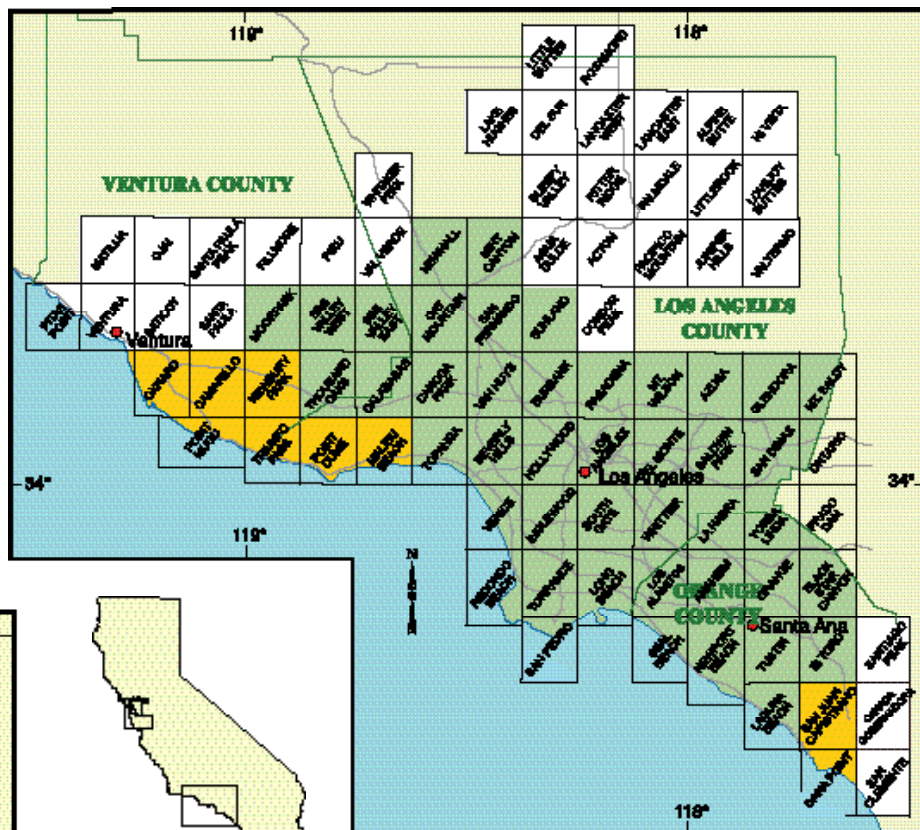


## TWELVE NEW OFFICIAL SEISMIC HAZARD ZONE MAPS RELEASED

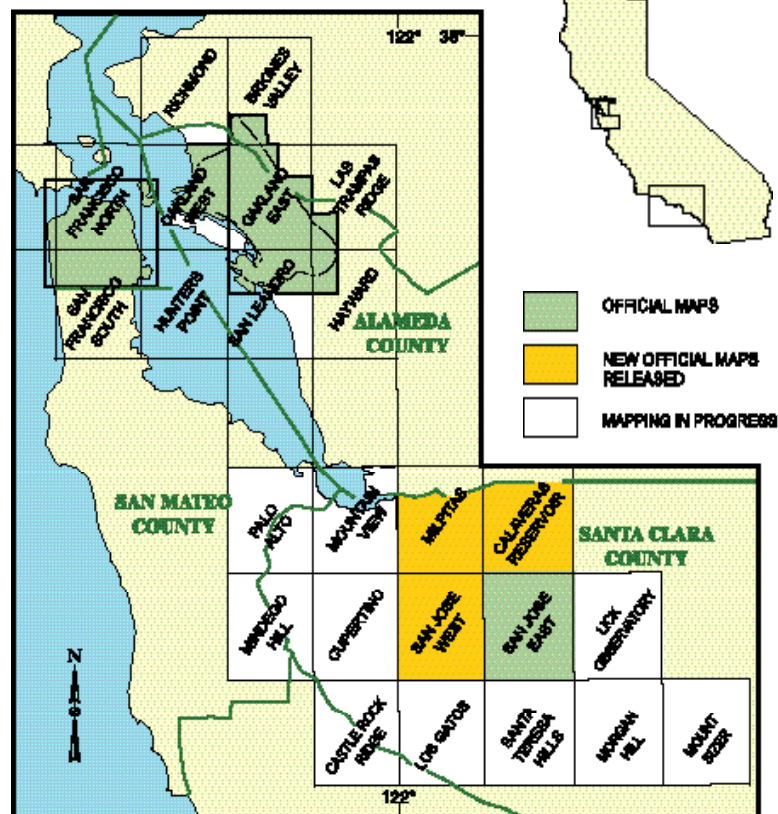
The Seismic Hazard Mapping Program has issued twelve new Official maps: four maps on October 17, 2001, two maps on December 21, 2001 and six maps on February 7, 2002. A list of the cities affected is shown in the table on the next page. Prior to releases, we met with each of the cities to discuss how jurisdictions and state agencies are actively implementing requirements of the Seismic Hazards Mapping Act.

Staff presentations have been made this year to the International Council of Building Officials, Office of State Architect, Seismic Safety Commission, Pacific

SOUTHERN CALIFORNIA



NORTHERN CALIFORNIA



Earthquake Engineering Research Center, California Association of Realtors, school districts and various other professional and news groups.

### New Preliminary Zone Maps To Be Released

New Preliminary maps will soon be completed and released for technical review on March 22, 2002: Matilija, Canada Gobernadora, Cupertino, Los Gatos. The index maps on this page depict the mapping in progress throughout the state.

## NEW NAME ANNOUNCED AT ANNUAL MEETING

Darryl Young, the Director of the Department of Conservation announced our name change from the Division of Mines and Geology to the CALIFORNIA GEOLOGICAL SURVEY at the Department's annual meeting on January 16.

### Budget Constraints Mean New Staff Assignments

Because of the state's budget constraints, we have begun redirecting personnel from other projects.

□ Dave Branum, Engineering Geologist from Regional Mapping will be working full-time reviewing incoming reports on site investigations. We have currently examined 30% of the 900+ reports triggered by the Seismic Hazards Mapping Act and will report on our findings in one of the next quarterly news bulletins.

□ Jennifer Swift, Associate Research Professor at USC is working on our web site update. The Department of Conservation has contracted with Farallon Geographics, Inc. to design an interactive web site with home pages for each project. Swift is working with Diane Vaughan, GIS Manager on the data management and input.

□ Chris Higgins, Engineering Geologist from the Mineral Resources Program, has begun working part-time with our Seismic Hazard Mapping Program in the Lancaster-Palmdale area. Higgins and Florante Perez, who moved from Los Angeles to Sacramento last year, will be using radar imagery and multi-spectral Landsat data to modify the regional geologic mapping of that area in preparation for zoning.

### CALIFORNIA GEOLOGICAL SURVEY and PEER Collaborate

Keith Knudsen and Anne Rosinski, engineering geologists at the San Francisco District Office, have begun a cooperative effort with the University of California at Berkeley to see if it is feasible to produce liquefaction deforma-

Cities affected by twelve new official maps.

ORANGE COUNTY		SANTA CLARA COUNTY	
City Name	Map Name	City Name	Map Name
Aliso Viejo	San Juan Capistrano	Milpitas	Calaveras Reservoir, Milpitas
Irvine	San Juan Capistrano	San Jose	San Jose West, Calaveras Reservoir, Milpitas
Laguna Beach	San Juan Capistrano/ Dana Point	Santa Clara	Milpitas, San Jose West
Laguna Niguel	San Juan Capistrano/ Dana Point	Sunnyvale	Milpitas, San Jose West
Laguna Hills	San Juan Capistrano	Campbell	San Jose West
Mission Viejo	San Juan Capistrano	Los Gatos	San Jose West
Rancho Santa Margarita	San Juan Capistrano	Saratoga	San Jose West
San Juan Capistrano	San Juan Capistrano/ Dana Point	VENTURA COUNTY	
Dana Point	Dana Point	City Name	Map Name
San Clemente	Dana Point	Oxnard	Oxnard, Camarillo
LOS ANGELES COUNTY		Ventura	Oxnard
City Name	Map Name	Port Hueneme	Oxnard
Malibu	Malibu Beach, Triunfo Pass, Point Dume	Camarillo	Camarillo, Newbury Park
Westlake Village	Point Dume	Thousand Oaks	Newbury Park
		Ventura County Only	Point Mugu

tion maps showing the potential for vertical and lateral movements in Santa Clara Valley. The study is being funded by the Pacific Earthquake Engineering Research Center and Seismic Hazard Mapping Program and includes areas along the Guadalupe River and Coyote Creek.

Interim reports will identify the most appropriate methods for developing regional maps and will document the methodology used to estimate liquefaction-induced surface deformation. This project ties into PEER's Lifelines Program and the Department of Conservation's Seismic Hazard Mapping Program, which may be able to use the information to improve the way zones of required investigation are defined.

Keith was also recently elected one of the directors of the newly formed Northern California Chapter of the Earthquake Engineering Research Institute this fall. That chapter is in the process of defining their role and projects for the upcoming year.

### COMING EVENTS

- There will be additional map releases in March, April and July. Orange County will soon be completely zoned and zoning is in progress for northern Los Angeles and Ventura counties and the San Francisco-San Jose bay region.
- The Seismic Hazards Mapping Program will soon conduct a customer survey. Many of you will receive a request for information on our services and use of our maps.

Comments and suggestions are welcome at any time by contacting Candace M. Hill, Associate Planner at (916) 322-2718 or [chill@consvr.ca.gov](mailto:chill@consvr.ca.gov)